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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/074,956DATE: 06/17/2002  
TIME: 12:48:48Input Set : A:\08191-022001.TXT  
Output Set: N:\CRF3\06172002\J074956.raw

4 <110> APPLICANT: Hedley, Mary Lynne  
7 <120> TITLE OF INVENTION: METHODS OF TREATING BLADDER DISORDERS  
10 <130> FILE REFERENCE: 08191-022001  
12 <140> CURRENT APPLICATION NUMBER: 10/074,956  
C--> 13 <141> CURRENT FILING DATE: 2002-06-10  
15 <150> PRIOR APPLICATION NUMBER: 60/268,175  
16 <151> PRIOR FILING DATE: 2001-02-12  
18 <160> NUMBER OF SEQ ID NOS: 29  
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
22 <210> SEQ ID NO: 1  
23 <211> LENGTH: 19  
24 <212> TYPE: DNA  
25 <213> ORGANISM: Homo sapiens  
27 <400> SEQUENCE: 1  
28 tccatgtcgc tctgatgct 19  
30 <210> SEQ ID NO: 2  
31 <211> LENGTH: 20  
32 <212> TYPE: DNA  
33 <213> ORGANISM: Homo sapiens  
35 <400> SEQUENCE: 2  
36 tccatgtcgt tcctgatgct 20  
38 <210> SEQ ID NO: 3  
39 <211> LENGTH: 24  
40 <212> TYPE: DNA  
41 <213> ORGANISM: Homo sapiens  
43 <400> SEQUENCE: 3  
44 tcgtcggtttt gtcgttttgt cggt 24  
46 <210> SEQ ID NO: 4  
47 <211> LENGTH: 13  
48 <212> TYPE: PRT  
49 <213> ORGANISM: Homo sapiens  
51 <400> SEQUENCE: 4  
52 Ser Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val  
53 1 5 10  
55 <210> SEQ ID NO: 5  
56 <211> LENGTH: 3  
57 <212> TYPE: PRT  
58 <213> ORGANISM: Homo sapiens  
60 <400> SEQUENCE: 5  
61 Lys Pro Val  
62 1  
64 <210> SEQ ID NO: 6  
65 <211> LENGTH: 5

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66 <212> TYPE: PRT
67 <213> ORGANISM: Homo sapiens
69 <400> SEQUENCE: 6
70 Glu His Phe Arg Trp
71 1 5
73 <210> SEQ ID NO: 7
74 <211> LENGTH: 52
75 <212> TYPE: PRT
76 <213> ORGANISM: Homo sapiens
78 <400> SEQUENCE: 7
79 Met Pro Arg Ser Cys Cys Ser Arg Ser Gly Ala Leu Leu Leu Ala Leu
80 1 5 10 15
81 Leu Leu Gln Ala Ser Met Glu Val Arg Gly Trp Cys Leu Glu Ser Ser
82 20 25 30
83 Gln Cys Gln Asp Leu Thr Thr Glu Ser Asn Leu Leu Glu Cys Ile Arg
84 35 40 45
85 Ala Cys Lys Pro
86 50
88 <210> SEQ ID NO: 8
89 <211> LENGTH: 70
90 <212> TYPE: PRT
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Synthetically generated peptide
96 <400> SEQUENCE: 8
97 Met Pro Arg Ser Cys Cys Ser Arg Ser Gly Ala Leu Leu Leu Ala Leu
98 1 5 10 15
99 Leu Leu Gln Ala Ser Met Glu Val Arg Gly Trp Cys Leu Glu Ser Ser
100 20 25 30
101 Gln Cys Gln Asp Leu Thr Thr Glu Ser Asn Leu Leu Glu Cys Ile Arg
102 35 40 45
103 Ala Cys Lys Pro Arg Glu Gly Lys Arg Ser Tyr Ser Met Glu His Phe
104 50 55 60
105 Arg Trp Gly Lys Pro Val
106 65 70
108 <210> SEQ ID NO: 9
109 <211> LENGTH: 26
110 <212> TYPE: PRT
111 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 9
114 Met Pro Arg Ser Cys Cys Ser Arg Ser Gly Ala Leu Leu Leu Ala Leu
115 1 5 10 15
116 Leu Leu Gln Ala Ser Met Glu Val Arg Gly
117 20 25
119 <210> SEQ ID NO: 10
120 <211> LENGTH: 25
121 <212> TYPE: PRT
122 <213> ORGANISM: Homo sapiens
124 <400> SEQUENCE: 10

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125 Met Ala Ile Ser Gly Val Pro Val Leu Gly Phe Phe Ile Ile Ala Val
126 1          5          10          15
127 Leu Met Ser Ala Gln Glu Ser Trp Ala
128          20          25
130 <210> SEQ ID NO: 11
131 <211> LENGTH: 26
132 <212> TYPE: PRT
133 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 11
136 Trp Cys Leu Glu Ser Ser Gln Cys Gln Asp Leu Thr Thr Glu Ser Asn
137 1          5          10          15
138 Leu Leu Glu Cys Ile Arg Ala Cys Lys Pro
139          20          25
141 <210> SEQ ID NO: 12
142 <211> LENGTH: 5
143 <212> TYPE: PRT
144 <213> ORGANISM: Homo sapiens
146 <400> SEQUENCE: 12
147 Lys Phe Glu Arg Gln
148 1          5
150 <210> SEQ ID NO: 13
151 <211> LENGTH: 5
152 <212> TYPE: PRT
153 <213> ORGANISM: Homo sapiens
155 <400> SEQUENCE: 13
156 Gln Arg Glu Phe Lys
157 1          5
159 <210> SEQ ID NO: 14
160 <211> LENGTH: 5
161 <212> TYPE: PRT
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Linker sequence
167 <400> SEQUENCE: 14
168 Gly Gly Val Gly Gly
169 1          5
171 <210> SEQ ID NO: 15
172 <211> LENGTH: 247
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <221> NAME/KEY: CDS
178 <222> LOCATION: (23)...(232)
180 <223> OTHER INFORMATION: Synthetic construct
182 <400> SEQUENCE: 15
183 aagcttgccg gctgcctgga ag atg ccg aga tcg tgc tgc agc cgc tcg ggg      52
184          Met Pro Arg Ser Cys Cys Ser Arg Ser Gly
185          1          5          10
187 gcc ctg ttg ctg gcc ttg ctg ctt cag gcc tcc atg gaa gtg cgt ggc      100

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```

188 Ala Leu Leu Leu Ala Leu Leu Leu Gln Ala Ser Met Glu Val Arg Gly
189          15          20          25
191 tgg tgc ctg gag agc agc cag tgt cag gac ctc acc acg gaa agc aac      148
192 Trp Cys Leu Glu Ser Ser Gln Cys Gln Asp Leu Thr Thr Glu Ser Asn
193          30          35          40
195 ctg ctg gag tgc atc cgg gcc tgc aag ccc cgc gag ggc aag cgc tcc      196
196 Leu Leu Glu Cys Ile Arg Ala Cys Lys Pro Arg Glu Gly Lys Arg Ser
197          45          50          55
199 tac tcc atg gag cac ttc cgc tgg ggc aag ccg gtg taaggatccc      242
200 Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val
201          60          65          70
203 tcgag      247
205 <210> SEQ ID NO: 16
206 <211> LENGTH: 10
207 <212> TYPE: PRT
208 <213> ORGANISM: Homo sapiens
210 <400> SEQUENCE: 16
211 Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
212 1          5          10
214 <210> SEQ ID NO: 17
215 <211> LENGTH: 11
216 <212> TYPE: PRT
217 <213> ORGANISM: Homo sapiens
219 <400> SEQUENCE: 17
220 Gly Gly Gly Gly Ser Gly Gly Gly Gly Gly Ser
221 1          5          10
223 <210> SEQ ID NO: 18
224 <211> LENGTH: 20
225 <212> TYPE: PRT
226 <213> ORGANISM: Homo sapiens
228 <400> SEQUENCE: 18
229 Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
230 1          5          10          15
231 Gly Gly Gly Gly
232          20
234 <210> SEQ ID NO: 19
235 <211> LENGTH: 17
236 <212> TYPE: PRT
237 <213> ORGANISM: Homo sapiens
239 <400> SEQUENCE: 19
240 Ser Ser Ser Ser Gly Ser Ser Ser Ser Gly Ser Ser Ser Ser Gly Ser
241 1          5          10          15
242 Pro
245 <210> SEQ ID NO: 20
246 <211> LENGTH: 18
247 <212> TYPE: PRT
248 <213> ORGANISM: Mus musculus
250 <400> SEQUENCE: 20
251 Met Lys Trp Val Thr Phe Leu Leu Leu Leu Phe Val Ser Gly Ser Ala

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252 1                      5                      10                      15
253 Phe Ser
256 <210> SEQ ID NO: 21
257 <211> LENGTH: 18
258 <212> TYPE: PRT
259 <213> ORGANISM: Homo sapiens
261 <400> SEQUENCE: 21
262 Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
263 1                      5                      10                      15
264 Tyr Ser
267 <210> SEQ ID NO: 22
268 <211> LENGTH: 6
269 <212> TYPE: PRT
270 <213> ORGANISM: Homo sapiens
272 <400> SEQUENCE: 22
273 Arg Gly Val Phe Arg Arg
274 1                      5
276 <210> SEQ ID NO: 23
277 <211> LENGTH: 195
278 <212> TYPE: PRT
279 <213> ORGANISM: Mus musculus
281 <400> SEQUENCE: 23
282 Glu Ala His Lys Ser Glu Ile Ala His Arg Tyr Asn Asp Leu Gly Glu
283 1                      5                      10                      15
284 Gln His Phe Lys Gly Leu Val Leu Ile Ala Phe Ser Gln Tyr Leu Gln
285                20                25                30
286 Lys Cys Ser Tyr Asp Glu His Ala Lys Leu Val Gln Glu Val Thr Asp
287                35                40                45
288 Phe Ala Lys Thr Cys Val Ala Asp Glu Ser Ala Ala Asn Cys Asp Lys
289                50                55                60
290 Ser Leu His Thr Leu Phe Gly Asp Lys Leu Cys Ala Ile Pro Asn Leu
291 65                70                75                80
292 Arg Glu Asn Tyr Gly Glu Leu Ala Asp Cys Cys Thr Lys Gln Glu Pro
293                85                90                95
294 Glu Arg Asn Glu Cys Phe Leu Gln His Lys Asp Asp Asn Pro Ser Leu
295                100               105               110
296 Pro Pro Phe Glu Arg Pro Glu Ala Glu Ala Met Cys Thr Ser Phe Lys
297                115               120               125
298 Glu Asn Pro Thr Thr Phe Met Gly His Tyr Leu His Glu Val Ala Arg
299                130               135               140
300 Arg His Pro Tyr Phe Tyr Ala Pro Glu Leu Leu Tyr Tyr Ala Glu Gln
301 145               150               155               160
302 Tyr Asn Glu Ile Leu Thr Gln Cys Cys Ala Glu Ala Asp Lys Glu Ser
303                165               170               175
304 Cys Leu Thr Pro Lys Leu Asp Gly Val Lys Glu Lys Ala Leu Val Ser
305                180               185               190
306 Ser Val Arg
307                195
309 <210> SEQ ID NO: 24

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VERIFICATION SUMMARY

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Input Set : A:\08191-022001.TXT

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date